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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8227-2 (1988): Fasteners, Arch and Clip for Files, Part 2: Clip Fasteners [PGD 14: Consumer Products and Allied Equipments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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**AMENDMENT NO. 1 MARCH 1996
TO
IS 8227 (Part 2) : 1988 SPECIFICATION FOR
FASTENERS, ARCH AND CLIP FOR FILES**

PART 2 CLIP FASTENERS

(First Revision)

(Page 1, clause 2) — Substitute the following for the existing:

'2 Materials — The base of the clip fasteners shall be manufactured from cold rolled steel sheet [*see* IS 513 ; 1986 Cold-rolled low carbon steel sheets and strips (*third revision*)] of 0.75 mm nominal thickness '

(Page 1, clause 4.3) — Substitute the following for the existing:

"4.3 The clip fasteners shall be plated chromium over nickel conforming to service condition number 2 of IS 1068 : 1993 'Electroplated coatings of nickel plus chromium and copper plus nickel plus chromium — Specification (*third revision*)'."

Indian Standard

SPECIFICATION FOR
FASTENERS, ARCH AND CLIP FOR FILES

PART 2 CLIP FASTENERS

(First Revision)

1. Scope — Specifies requirements for clip fasteners for files used for holding paper sheets, pads, etc.

2. Materials — The base of the fasteners shall be manufactured from hot or cold rolled steel sheet of 0.75 ± 0.10 mm thickness.

3. Requirements

3.1 Spring clip shall have sufficient tension to hold the required thickness of papers. Two holes shall be provided in the lower portion of the clip for rivetting or eyeletting.

3.2 The minimum width of the jaws shall be 127 mm and the minimum opening 25 mm.

3.3 The clip shall hold securely any number of sheets from one sheet to the full capacity of the jaws.

3.4 A hole of minimum diameter of 6.3 mm shall be provided on the upper part of the clip.

3.5 The base portion of the clip shall be extended to provide a hole of 9.5 mm diameter. The extension shall be sufficient to permit the file to be hung against a flat surface.

4. Workmanship and Finish

4.1 The fasteners shall be clean and free from defects which may affect the appearance or the serviceability of the files.

4.2 The fasteners shall be free from burrs, and sharp and rough edges that might be hazardous to the user.

4.3 The fasteners shall be plated with chromium over nickel conforming to IS : 1068-1985 'Specification for electroplated coatings of nickel plus chromium and copper plus nickel plus chromium on iron and steel (second revision)'.

4.4 The spring shall be suitably treated (blue finish) so as to render the spring free from rust or tarnish.

5. Tests

5.1 Corrosion Resistance — Dip the fasteners in a solution of mineral spirit to remove the surface film or grease, and wipe dry. Place the specimen in a boiling 5 percent aqueous solution of sodium chloride for 15 minutes. Remove them from the solution and immediately place them in a similar solution at room temperature for 24 hours. Allow to dry at room temperature without wiping. Rinse the specimens in luke warm water. Allow them to dry and examine the specimens for signs of corrosion. There shall not be any sign of corrosion.

5.2 Performance

5.2.1 The fasteners shall be opened and closed consecutively in the manner of operation for 25 times.

5.2.2 They shall not be excessively hard to operate

5.2.3 They shall open completely in the open position

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5.2.4 The jaws shall fit snugly and completely in closed position.

6. **Marking** — The fasteners shall be marked with the manufacturer's name or initials or recognized trade-mark, and with any other marking required by the purchaser.

6.1 **Standard Marking** — Details available with the Bureau of Indian Standards.

7. **Packing** — As agreed to between the purchaser and the supplier.

8. **Sampling** — Sampling scheme and acceptance criteria shall be as agreed to between the manufacturer and the purchaser. However, a recommended scheme for the same is given in Appendix A.

APPENDIX A

(Clause 8)

SAMPLING CRITERIA FOR CONFORMITY OF CLIP FASTENERS

A-1. Lot

A-1.1 In any consignment, clip fasteners of same dimensions, produced under similar conditions out of the same raw material shall be grouped together to constitute a lot.

A-1.2 The number of clip fasteners to be selected from each lot shall depend upon the size of the lot and shall be in accordance with Table 1.

A-1.2.1 These clip fasteners shall be selected at random from the lot and for this purpose, procedure given in IS : 4905-1968 'Methods for random sampling' may be used.

TABLE 1 SAMPLE SIZE AND CRITERIA FOR CONFORMITY

(Clauses A-1.2 and A-2.1)

No. of Clip Fasteners	No. of Clip Fasteners for Visual Inspection	No. of Clip Fasteners for Dimensional Inspection	No. of Clip Fasteners for Corrosion Resistance Test	Acceptance Number
Up to 100	10	5	5	0
100 to 300	30	15	15	0
301 to 500	50	25	25	2
501 and above	100	50	50	4

A-2. Number of Tests and Criteria for Conformity

A-2.1 The number of clip fasteners selected at random in accordance with Table 1 shall be tested for dimensional checking, corrosion resistance and performance of clip fasteners. The lot shall be considered as conforming to these requirements if the number of defective clip fasteners found in the samples is less than or equal to the corresponding permissible number of defectives given in Table 1.

A-2.2 The lot shall be considered as conforming to the standard if A-2.1 is satisfied.

EXPLANATORY NOTE

This standard has been split into two parts. Part 1 deals with arch fasteners while Part 2 deals with clip fasteners. The main changes are in the requirement of corrosion resistance test while the requirement for treatment for spring known as blue finish has been added.